

Abstract

A hydraulic pressure actuator having an inner tube and a mesh sleeve covering the outer periphery of the inner tube and longitudinally extendable by pressure fluid fed into the inner tube, wherein a low friction body formed in an elastic cylindrical body by knitting fine fibers is disposed between the inner tube and the mesh sleeve, and the low friction body contributes to an increase in the life of the hydraulic pressure actuator repeatedly performing extension/retraction motions.

The hydraulic pressure actuator is used as an actuator for driving a CPM device which supports the extremity of a human body by at least one of a plurality of members combined with each other and performs the rehabilitation of the joints of a handicapped by operating the member.